
**ABOVE THE ABOVE LINE IN THE PREVIOUSLY SUBMITTED
PATENT APPLICATION LISTED ON THE ACCOMPANYING
COVER SHEET ARE THE PREVIOUSLY SUBMITTED 17
CLAIMS;**

**BELOW THE ABOVE LINE ARE THE PRESENTLY SUBMITTED
17 CLAIMS FOR THE SAME PREVIOUSLY SUBMITTED
PATENT APPLICATION**

18. A system for maintaining a desired negative electrode voltage level of a voltage producing source within a first predetermined range of values having an upper limit and a lower limit so as to control the positive electrode voltage of the voltage producing source and connected circuits to eliminate the necessity for constant maximum voltage production, the method being adapted for use with a Voltage Dosimeter including an electronic control unit (ECU) having memory, two voltmeters connected to each electrode for measuring current voltage at each electrode, a voltage delivery apparatus controlled by the ECU for delivering a selected voltage producing dose to the positive electrode and to the circuits, the voltage delivery apparatus having a plurality of sequential voltage producing doses ranging from a first voltage producing dose to a second voltage producing dose, the method comprising:

delivering the second voltage producing dose to the positive electrode and to the circuits while repeatedly sequencing through the plurality of sequential voltage producing doses beginning with the first voltage producing dose and proceeding to an adjacent voltage producing dose in the sequence after a predetermined time interval has elapsed until the current negative electrode voltage level of the voltage delivery apparatus attains the desired voltage level at which point a corresponding voltage producing dose is selected from the plurality of sequential voltage producing doses;

delivering the selected voltage producing dose so as to maintain the negative electrode voltage level in its desired range.

19. The method of claim 18 wherein the current circulation time is determined by:

means for storing a predetermined number of base state exit voltage values in memory; and

means for determining a predetermined sequence of base state levels.

20. The method of claim 18 wherein the reaction time is determined by logic flow charts.

21. The method of claim 18 in which a plurality of sequential positive electrode voltage doses are generated in fuel cells, steam reactors, fission

reactors, fusion reactors, solar cells, mechanical/magnetic voltage generators, and fossil fuel burning reactors.

22. The method of claim 18 wherein a plurality of sequential positive electrode voltage doses are generated by steam.

23. The method of claim 18 wherein the plurality of positive electrode voltage doses are connected by logical switches.

24. The method of claim 18 wherein a predetermined negative electrode voltage level for a predetermined amount of time produces a predetermined voltage producing and positive electrode voltage dose.

25. The method of claim 18 wherein a first closing of an electric switch produces a first battery discharge and a first negative electrode voltage level in a fuel cell.

26. The method of claim 18 wherein the operating negative electrode voltage range varies with application.

27. The method of claim 18 wherein a first closing of an electric switch produces a first battery discharge and negative electrode voltage.

28. A method for maintaining a desired negative electrode voltage of a fuel cell within a first predetermined range of values having an upper limit and a lower limit so as to control the positive electrode voltage of the fuel cell and connected circuits to eliminate the

necessity for constant maximal voltage production, the method being adapted for use with a Voltage Dosimeter including an electronic control unit (ECU) having memory, two voltmeters connected to each electrode for measuring current voltage at each electrode, a fuel cell controlled by the ECU for delivering selected reactive gas flow rates to the fuel cell, the fuel cell having a plurality of sequential reactive gas flow rates ranging from a first reactive gas flow rate to a second reactive gas flow rate, the method comprising:

delivering the second reactive gas flow rate to the fuel cell while repeatedly sequencing through the plurality of sequential reactive gas flow rates beginning with the first reactive gas flow rate and proceeding to an adjacent reactive gas flow rate in the sequence after a predetermined time interval has elapsed until the current

negative electrode voltage level of the fuel cell attains the desired voltage level at which point a corresponding reactive gas flow rate is selected from a plurality of reactive gas flow rates.

delivering the selected reactive gas flow rate to the fuel cell so as to maintain the negative electrode voltage in the desired range.

29. The method of claim 28 wherein the current circulation time is determined by:

means for storing a predetermined number of base states;